**Station 1: All Circles are Similar**

**Circle A 🡪 Circle B**

1. A – center: (0, 0), radius: 2

B – center: (-2, 1), radius 4

2. A – center: (-3, -2), radius: 2

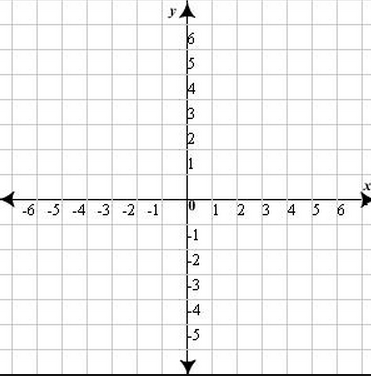
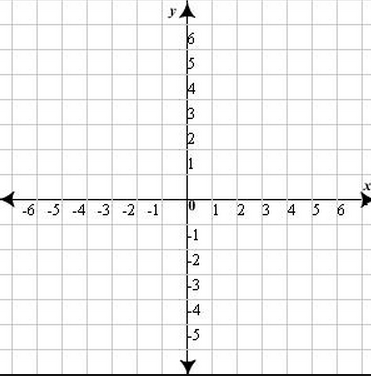
B – center: (0, -3), radius 5

3. A – center: (4, 3), radius 3

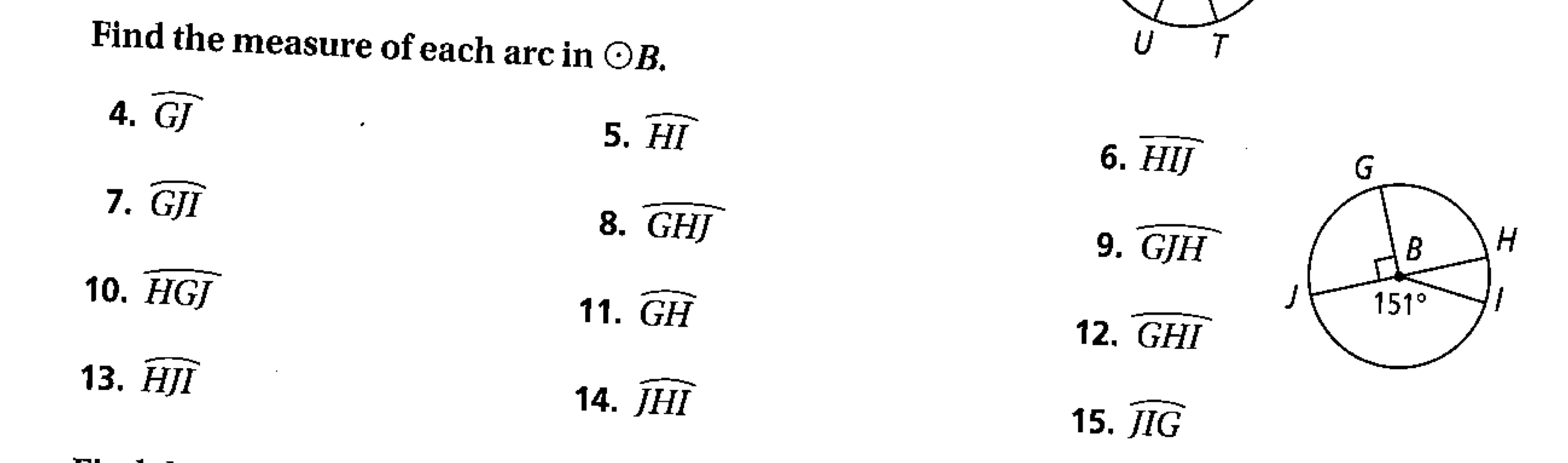
B – center: (-1, 3), radius 2

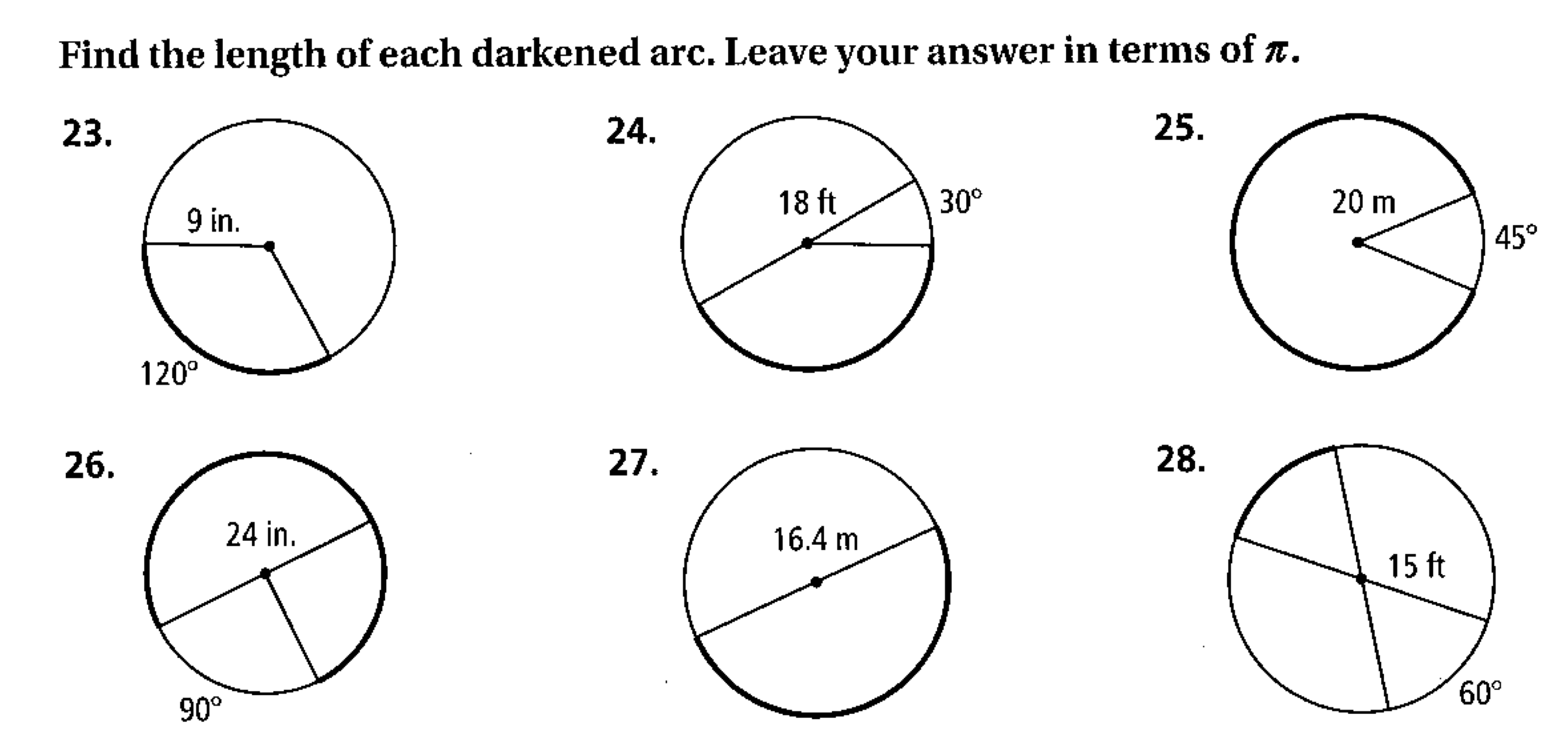
Series of transformations for each

Why are all circles similar?

**Station 2: Arc Measure, Arc Length**

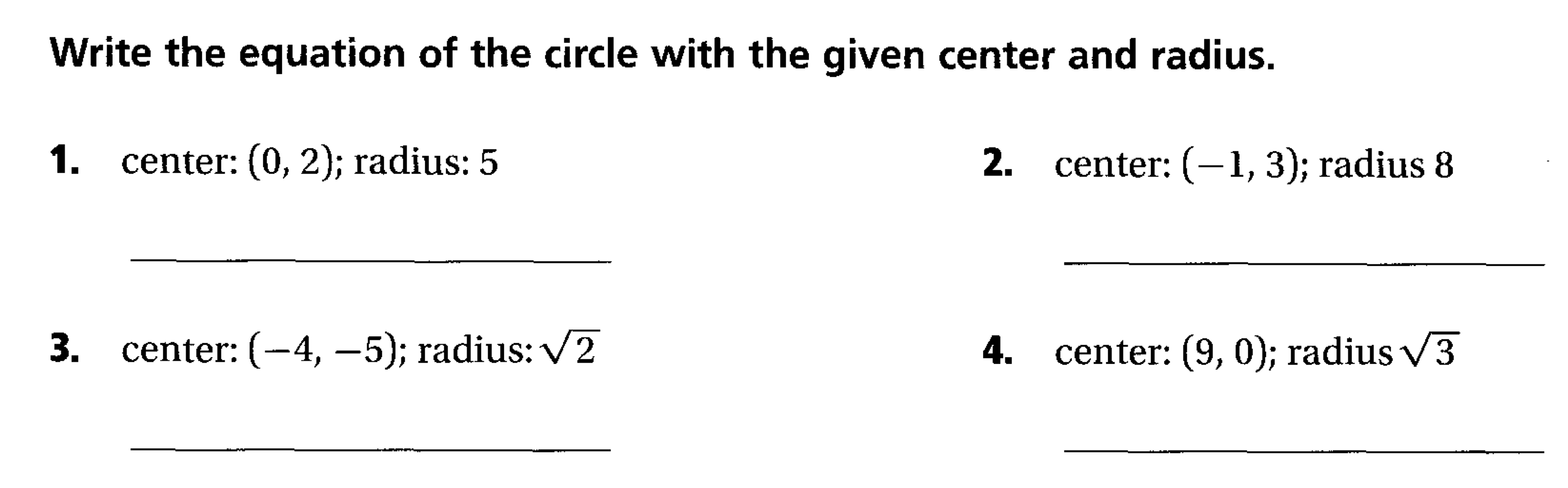




**Station 3: Sector Area**

****

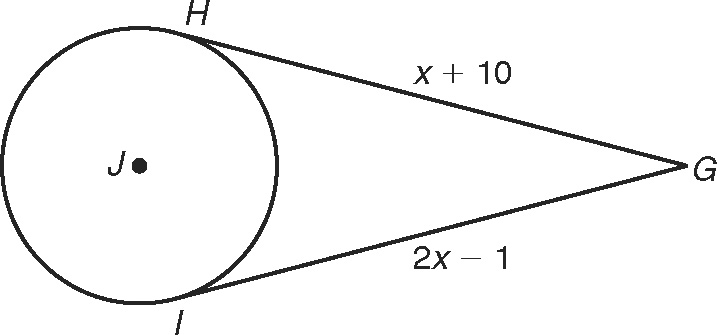
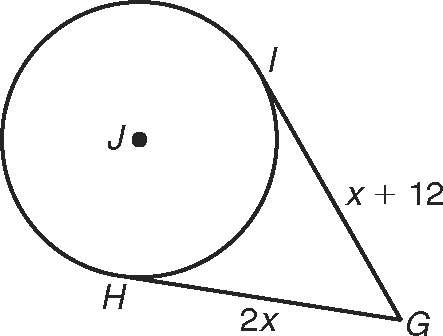
**Station 4: Equation of a Circle**





**Station 5: Tangent Properties**

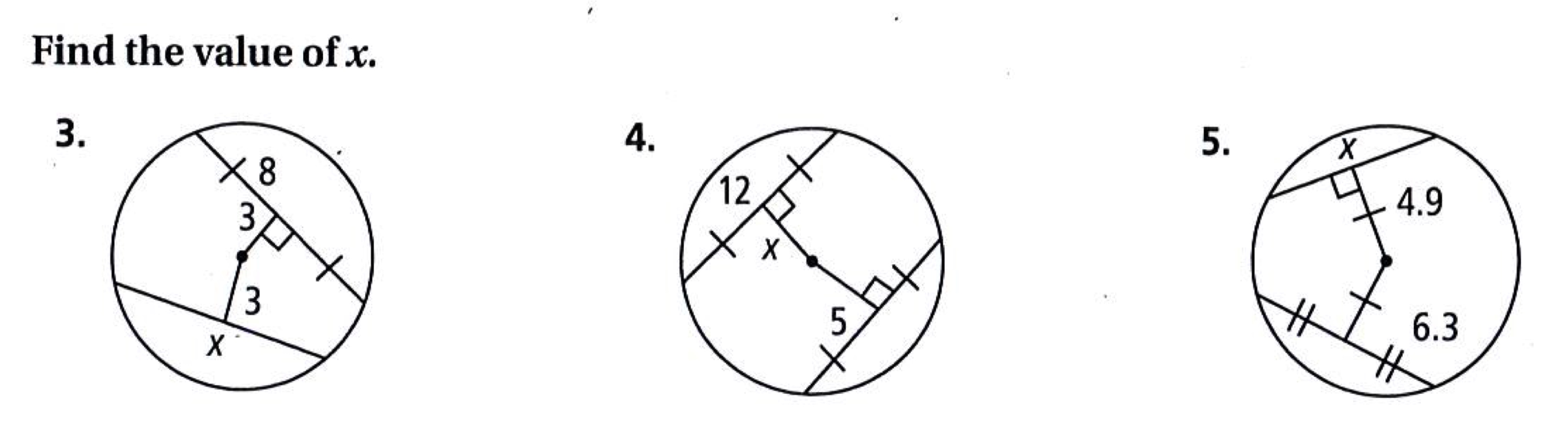
**Find the value of *x*, the find the length of HG. Assume that lines which appear to be tangent are tangent.**

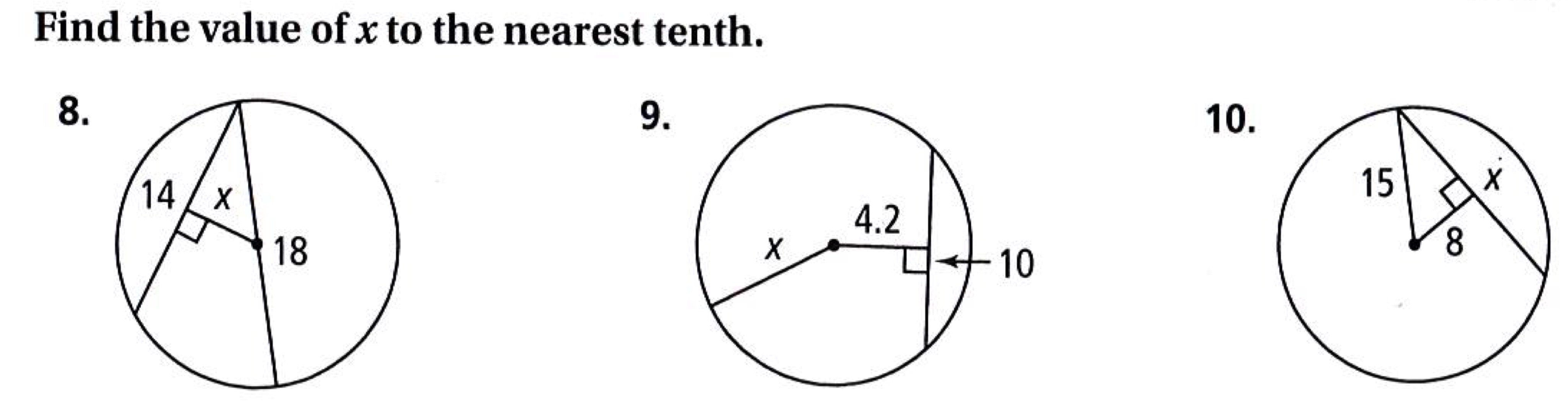






**Station 6: Chord Problems**





**Station 7: Central and Inscribed Angles**



5. Find the measure of *x*. 6. Find the measure of *x*.

